AMENDMENTS TO THE CLAIMS

Please amend the claims as set forth in the following listing of claims. This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A reconfigurable multiplexer for a wireless transceiver, wherein said reconfigurable multiplexer comprises a manifold, filter ports and filter means, with each filter means being connected to the manifold at a corresponding one of said ports, wherein said filter means comprises:

at least one filter comprising a first resonant cavity and a further resonant cavity, and

at least one filter head separate from said filter and having only a single resonant cavity which ~~is~~has the same structure as the first resonant cavity of said at least one filter, wherein said at least one filter head is configured as to be selectively connectable either to a corresponding covering plate for short circuit purposes or to a filter tail in order to provide full filter functionality.

2. (Previously Presented) A reconfigurable multiplexer according to claim 1, wherein the at least one filter head comprises at least a first coupling in addition to said first resonant cavity.

3. (Previously Presented) A reconfigurable multiplexer according to claim 2, wherein the at least one filter head further comprises a second coupling.

4. (Previously Presented) A reconfigurable multiplexer according to claim 1, wherein the at least one filter head is an integral part of the manifold.

5. (Previously Presented) A reconfigurable multiplexer according to claim 1, wherein the covering plate is at a distance with respect to the manifold axis.

6. (Currently Amended) A method for providing a reconfigurable multiplexer for a wireless transceiver comprising:

providing a manifold; and

providing filter ports and filter means, with each filter means being connected to the manifold at a corresponding one of said ports,

wherein the step of providing filter means comprises providing at least one filter comprising a first resonant cavity and a further resonant cavity, and at least one filter head separate from said filter and having only a single resonant cavity which ~~is~~has the same structure as the first resonant cavity of said at least one filter, wherein said at least one filter head is configured as to be selectively connectable either to a corresponding covering plate for short circuit purposes or to a filter tail in order to provide full filter functionality.

7. (Previously Presented) A method according to claim 6, wherein said at least one filter head comprises at least a first coupling in addition to said first resonant cavity.

8. (Previously Presented) A method according to claim 7, wherein said at least one filter head further comprises a second coupling.

9. (Previously Presented) A method according to claim 6, wherein the at least one filter head is an integral part of the manifold.

10. (Previously Presented) A method according to claim 9, wherein the at least one filter head is made through standard waveguide technology, and the corresponding at least one filter tail is made by a technology selected from the group consisting of H-plane technology and DR technology to make the device more compact.

11. (Previously Presented) A branching unit comprising one or more reconfigurable multiplexers according to claim 1.

12. (Currently Amended) A reconfigurable multiplexer for a wireless transceiver, wherein said reconfigurable multiplexer comprises a manifold, filter ports and filter means, with each filter means being connected to the manifold at a corresponding one of said ports, wherein said filter means comprises:

a first filter comprising a first resonant cavity and a further resonant cavity, said first filter being suitable for filtering a first channel,

a filter head separate from said first filter and having a single resonant cavity, and

a covering plate connected to said filter head for short circuit purposes,

wherein said covering plate is removable from said filter head and wherein, when said covering plate is removed from said filter head, said filter head is connectable to a filter tail,

wherein said filter head and filter tail form a second filter, and

wherein said second filter is suitable for filtering a second channel.

13. (Previously Presented) A reconfigurable multiplexer according to claim 12, wherein the at least one filter head comprises at least a first coupling in addition to said first resonant cavity.

14. (Previously Presented) A reconfigurable multiplexer according to claim 13, wherein the at least one filter head further comprises a second coupling.

15. (Previously Presented) A reconfigurable multiplexer according to claim 11, wherein the covering plate is at a distance with respect to an axis of said manifold

16. (Currently Amended) A method for providing a reconfigurable multiplexer for a wireless transceiver, said method comprising the steps of providing a manifold; and providing filter ports and filter means, with each filter means being connected to the manifold at a corresponding one of said ports, wherein the step of providing filter means comprises:

providing a first filter comprising a first resonant cavity and a further resonant cavity, wherein said first filter is suitable for filtering a first channel,

providing a filter head separate from said first filter and having a single resonant cavity; and

providing a covering plate connected to said filter head for short circuit purposes,

wherein said method further comprises:

removing said covering plate from said filter head; and

connecting said filter head to a filter tail, wherein said filter head and filter tail form a second filter, wherein said second filter is suitable for filtering a second channel".

17. (Previously Presented) A method according to claim 16, wherein said at least one filter head comprises at least a first coupling in addition to said first resonant cavity.

18. (Previously Presented) A method according to claim 17, wherein said at least one filter head further comprises a second coupling.

19. (Previously Presented) A method according to claim 16, wherein the at least one filter head is an integral part of the manifold.

20. (Previously Presented) A method according to claim 9, wherein the at least one filter head is made through standard waveguide technology, and the corresponding at least one filter tail is made by a technology selected from the group consisting of H-plane technology and DR technology to make the device more compact.